

A PROCESS FOR MANUFACTURING REFLECTIVE TFT-LCD WITH ROUGH DIFFUSER

Abstract of the Disclosure

A method of forming a TFT-LCD device with a rough pixel electrode is disclosed. The method comprises the following steps. First, a photosensitive layer is formed on the transparent insulating substrate. A defocused exposing procedure is then performed by applying a mask with plural independent spot patterns and a contact hole pattern to define patterns on the photosensitive layer. Notedly the distance between two adjacent independent spot patterns is smaller than the resolution of exposure system. Thus the area of photosensitive layer corresponding to independent spot patterns is exposed incompletely. Then the photosensitive layer is developed to remove partial photosensitive layer to form wave-like surfaces thereon. Next a pixel electrode is formed on the photosensitive layer to have rising and falling surfaces with the photosensitive layer to serve as a rough diffuser member.